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[54] METHOD AND APPARATUS FOR CONTROLLING COMPUTER DISPLAYS BY USING A TWO DIMENSIONAL SCROLL PALETTE

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[56] References Cited

U.S. PATENT DOCUMENTS

4,558,413	12/1985	Schmidt et al	364/300
4,736,308	4/1988	Heckel	364/518
4,852,019	7/1989	Vinberg et al	364/521
4,899,136	2/1990	Beard et al	340/706
4,930,074	5/1990	McCarthy	364/410
4.975,690	12/1990	Torres	340/721

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[57] ABSTRACT

A computer program provides for the display of window regions on a display screen whereby the content and size of one window region is controllable in two dimensions using means provided in another window region. A cursor device and a signal generation means is used to select the two-dimensional scrolling or resizing of a window region. Controls are also provided to move and terminate window regions. Upon termination, the configuration of window regions is saved on a data storage means for use when the window regions are re-displayed. Cursor movement can be restricted to the horizontal or vertical directions only.

48 Claims, 9 Drawing Sheets

